



## PATENT ABSTRACTS OF JAPAN

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**(54) ELECTROLYTIC CELL FOR ALKALI CHLORIDE****(57) Abstract:**

**PURPOSE:** To inhibit the deformation of an ion-exchange membrane, in performing electrolysis while forming the difference in pressure between electrode chambers, by providing a member for inhibiting the deformation of the ion-exchange membrane inside the chambers.

**CONSTITUTION:** When operation is performed in a vertical electrolytic cell for an alkali chloride having an ion-exchange membrane as a diaphragm while forming

the difference in pressure between cathodic and anodic chambers, a member for inhibiting the deformation of the ion-exchange membrane is provided inside the electrode chambers in a manner such that the ion-exchange membrane is not pushed from the side of the high-pressure electrode chamber to the low-pressure electrode chamber. Side member for inhibiting the deformation is pref. a heat and corrosion-resistant material, e.g. polypropylene, polyethylene or polytetrafluoroethylene.

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